PDPS (PLS and DPS) Requirements Changes for RTM VERSION012696
As A Result Of The Rel. B DID 304 Review
CCR 96-0103A
file - attach1.doc

Changes since original submission:
1) changes PGS-0925#a and PGS-0925#B to procedural
2) reversed the columns of the link tables so that parent rqmts are on the left

Table 1 - Reference table for PDPS L4 and their RbR parents changes

L4 ID	Rel	RTM Key	L4 Text	Clarification	Req Type	RbR ID	RTM key	RbR Text	RbR Type	Interpretation
S-DPS-40900	IR1	4579	The AITTL CI shall have the capability to find all differences between two data files which are greater than some specified absolute threshold.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40900						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-40900						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40900						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-40910	IR1	4580	The AITTL CI shall have the capability to find all differences between two data files which are greater than some specified relative threshold.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-40910						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40910						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40910						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.

S-DPS-40920	IR1	4581	The AITTL CI shall have the capability to generate report files describing the results of file comparisons.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40920						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40920						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	

S-DPS-40920						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-40930	IR1	4582	The file comparison capability of the AITTL CI shall include the capability to read ASCII, binary, or HDF files.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40930						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-40930						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40930						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-40940	IR1	4583	The file comparison capability of the AITTL CI shall include the capability to allow the operations staff to specify a custom data format.		functional	~~PGS-0650~~#A	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-40940						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-40940						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40940						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.

S-DPS-41000	IR1	4584	The AITTL CI shall have the capability to measure the CPU time of a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41000						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41005	IR1	4585	The AITTL CI shall have the capability to measure the wall clock time of a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-41005						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41005						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.

S-DPS-41010	IR1	4586	The AITTL CI shall have the capability to measure the CPU time of each procedure within a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41010						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41010						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	

S-DPS-41010						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-41015	IR1	4587	The AITTL CI shall have the capability to measure the wall clock time of each procedure within a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41015						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-41015						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-41015						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-41020	IR1	4588	The AITTL CI shall have the capability to measure the memory usage of a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-41020						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41030	IR1	4589	The AITTL CI shall have the capability to measure the disk space usage of a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41030						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-41035	IR1	4590	The AITTL CI shall have the capability to count the number of page faults for a process.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41035						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-41040	IR1	4591	The AITTL CI shall have the capability to count the number of I/O accesses made by a process to each of its input and output data files.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-41040						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-42340	A	4642	The operations staff shall have the capability to perform dynamic analyses of source code for (at a minimum) memory leaks, out of bounds indexing, and distribution of resource demands.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-42340						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-42340						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-42340						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-42360	IR1	4644	The operations staff shall have the capability of determining the computing resources utilized by an execution of a PGE; viz., PGE CPU time, system CPU time, elapsed time, percent elapsed time, shared memory use, maximum memory used, number of page faults, number of swaps, number of block input operations, and number of block output operations.		functional	~~PGS-0650#A~~	4198	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	

S-DPS-42360						~~PGS-0650#B~~	4890	The PGS shall have the capability to validate required operational algorithm characteristics prior to scheduling algorithm test time. These characteristics shall be include at a minimum: a. Language b. Operational impacts (e.g., algorithm software size, required resources) c. Algorithm documentation d. Data handling standards as appropriate e. Units and models used f. Operational compatibility g. Required metadata outputs	functional	
S-DPS-42360						PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-42360						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
[none]			[none]			~~PGS-1025#Ir1~~	~~2336~~	~~The PGS shall provide a Science Processing Library containing routines such as:~~ ~~a. Image processing routines~~ ~~b. Data visualization routines~~ ~~c. Graphics routines~~	~~functional~~	~~IR1: Science office believes items a, b, and c are in the toolkit(s).~~
S-DPS-20830	A	4941	The PRONG CI shall send a Data Insert Request message to the SDSRV CI to initiate the destaging of data.		interface	~~PGS-0190#A~~	4144	The PGS shall coordinate with the DADS on the staging of data for product generation.	functional	A: TRMM and applicable DAACS

						~~PGS-0190#B~~	4576	The PGS shall coordinate with the DADS on the staging of data for product generation.	functional	
S-DPS-20830						PGS-0270#A	4153	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	functional	A Task = PGE; "Allocation of tasks among processors" is supported through resource availablity. A: Cancel execution of tasks.
S-DPS-20830						PGS-0270#B	4630	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	functional	A Task = PGE; "Allocation of tasks among processors" is supported through resource availablity. B: Suspend/Resume exexution of task.
S-DPS-20840	A	4414	The Data Request Status message shall inform the PRONG CI on the success or failure of data destaging.		functional	~~PGS-0190#A~~	4144	The PGS shall coordinate with the DADS on the staging of data for product generation.	functional	A: TRMM and applicable DAACS
S-DPS-20840						~~PGS-0190#B~~	4576	The PGS shall coordinate with the DADS on the staging of data for product generation.	functional	
S-DPS-20840						PGS-0270#A	4153	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	functional	A Task = PGE; "Allocation of tasks among processors" is supported through resource availablity. A: Cancel execution of tasks.
S-DPS-20840						PGS-0270#B	4630	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	functional	A Task = PGE; "Allocation of tasks among processors" is supported through resource availablity. B: Suspend/Resume exexution of task.

S-DPS-21550	A	4443	The PRONG CI shall not delete the output data generated by a PGE until the Data Request Status message is received from the SDSRV CI indicating that the output data was successfully copied to the SDSRV CI resources.		interface	~~PGS-0240#A~~	4149	The PGS shall perform reprocessing according to the PGS reprocessing plan and the availability of resources.	functional	Reprocessing capabilities for PRONG exist at RLS A but are not implemented until RLS B when PLANG capability for reprocessing becomes effective in RLS B.
S-DPS-21550						~~PGS-0240#B~~	4609	The PGS shall perform reprocessing according to the PGS reprocessing plan and the availability of resources.	functional	
S-DPS-20750	A	4405	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request if the data staging process was not completed successfully for the Data Processing Request.		interface	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-20750						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20750						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20760	A	4406	The Complete Notification Status message shall contain error information if the message was sent as a result of the failure of data staging.		functional	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-20760						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20760						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.

S-DPS-20870	A	4417	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request if the data destaging process was not completed successfully for the Data Processing Request.		interface	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-20870						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20870						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20880	A	4418	The Complete Notification Status message shall contain error information if the message was sent as a result of the failure of data destaging.		functional	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-20880						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-20880						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-21580	A	4446	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request at the completion of PGE execution if the execution was terminated by the PRONG CI or the outputs of the PGE did not require destaging.		interface	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-21580						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.

S-DPS-21580						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-21590	A	4447	Upon the completion of destaging, the PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request.		interface	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-21590						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-21590						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-22540	A	4508	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request when the Data Processing Request is canceled.		interface	~~PGS-0285#A~~	4156	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	functional	Functionally, IMS is a part of OPS.
S-DPS-22540						PGS-0380#A	4173	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-22540						PGS-0380#B	4707	The PGS shall monitor its internal operations and generate a status report periodically and on request.	functional	This requirement implies automatic periodic production of status reports.
S-DPS-21700	A	4448	The operations staff shall have the capability of terminating the data staging process for a Data Processing Request.		functional	~~PGS-0300#A~~	4158	The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	functional	"Current data processing schedule" = Active Plan.
S-DPS-21700						~~PGS-0300#B~~	4653	The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	functional	"Current data processing schedule" = Active Plan.
S-DPS-21710	A	4449	The operations staff shall have the capability of terminating the data destaging process for a Data Processing Request.		functional	~~PGS-0300#B~~	4653	The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	functional	"Current data processing schedule" = Active Plan.

S-DPS-21710						PGS-~~0300~~#A	4158	The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	functional	"Current data processing schedule" = Active Plan.
S-DPS-41035	IR1	4590	The AITTL CI shall have the capability to count the number of page faults for a process.		functional	PGS-0400#A	4174	The PGS shall have the capability to monitor the status of all algorithm and calibration coefficient testing and generate algorithm and calibration test reports.	functional	
S-DPS-41035						PGS-0400#B	4716	The PGS shall have the capability to monitor the status of all algorithm and calibration coefficient testing and generate algorithm and calibration test reports.	functional	
S-DPS-21910	A	4468	The PRONG CI shall update the Processing Queue Display information with an alert message when a fault has occurred during the queue processing of a Data Processing Request.		functional	PGS-0410#A	4175	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21910						PGS-0410#B	4723	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21920	A	4469	The PRONG CI shall update the Processing Queue Display information with an alert message when a fault has occurred during the data staging process.		functional	PGS-0410#A	4175	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21920						PGS-0410#B	4723	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21930	A	4470	The PRONG CI shall update the Processing Queue Display information with an alert message when a fault has occurred during the execution of a PGE.		functional	PGS-0410#A	4175	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21930						PGS-0410#B	4723	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-21940	A	4471	The PRONG CI shall update the Processing Queue Display information with an alert message when a fault has occurred during the data destaging process.		functional	PGS-0410#A	4175	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	

S-DPS-21940						PGS-0410#B	4723	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	functional	
S-DPS-31020	A	5156	The PRONG CI shall provide, at a minimum, the following metadata information to the SDP Toolkit with SDPF-generated L0 data a. Actual start time of staged L0 data b. Actual end time of staged L0 data c. Number of physical L0 data files staged d. Start time of L0 data as requested by EOS investigators through the planning/processing system e. End time of L0 data as requested by EOS investigators through the planning/processing system f. APID of each L0 data file g. Orbit number or orbit number range of the staged L0 data file		functional	~~PGS-0440#A~~	4178	The PGS shall accept from the DADS L0-L4 data products. Received information shall contain at a minimum: a. Product identification b. L0-L4 data set c. Metadata required for processing d. Current date and time e. DADS identification	functional	A: TRMM (CERES, LIS)
S-DPS-31020						~~PGS-0440#B~~	4751	The PGS shall accept from the DADS L0-L4 data products. Received information shall contain at a minimum: a. Product identification b. L0-L4 data set c. Metadata required for processing d. Current date and time e. DADS identification	functional	B: AM-1
S-DPS-30700	A	5153	The PRONG CI shall provide to the SDP Toolkit, at a minimum, the following metadata with the ephemeris data files for TRMM processing: a. Time range b. Orbit number range c. Platform		functional	~~PGS-0450#A~~	4179	The PGS shall accept from the DADS ancillary data sets. Received information shall contain at a minimum: a. Product identification b. Ancillary data set c. Metadata required for processing d. Current date and time e. DADS identification	functional	A: CERES, LIS processing

S-DPS-30700						~~PGS-0450#B~~	4755	The PGS shall accept from the DADS ancillary data sets. Received information shall contain at a minimum: a. Product identification b. Ancillary data set c. Metadata required for processing d. Current date and time e. DADS identification	functional	B: AM-1
S-DPS-30700						PGS-0500#A	4185	The PGS shall have the capability to generate Level 1 through 4 Standard Products using validated algorithms and calibration coefficients provided by the scientists.	functional	
S-DPS-30700						PGS-1015#A	4228	The PGS shall provide ancillary data access subroutines that provide Standard Product software access to ephemeris data (e.g., solar, lunar, and satellite ephemeris), Earth rotation data, and time and position measurement data. These subroutines shall perform operations such as: a. Interpolation b. Extrapolation c. Coordinate system conversion	functional	
S-DPS-30700						PGS-0500#B	4875	The PGS shall have the capability to generate Level 1 through 4 Standard Products using validated algorithms and calibration coefficients provided by the scientists.	functional	
S-DPS-30700						PGS-1015#B	4932	The PGS shall provide ancillary data access subroutines that provide Standard Product software access to ephemeris data (e.g., solar, lunar, and satellite ephemeris), Earth rotation data, and time and position measurement data. These subroutines shall perform operations such as: a. Interpolation b. Extrapolation c. Coordinate system conversion	functional	

S-DPS-40210	IR1	4553	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN77 complies with the ANSI standard specification for FORTRAN77.		functional	PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40210						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-40230	IR1	4554	The AITTL CI shall have the capability to verify that Science Software source code written in FORTRAN 90 complies with the ANSI standard specification for FORTRAN 90.		functional	PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40230						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.

S-DPS-40250	IR1	4555	The AITTL CI shall have the capability to verify that Science Software source code written in Ada complies with the military specification MIL-STD-1815-A.		functional	PGS-0920#A	4203	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	
S-DPS-40250						PGS-0920#B	4898	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	functional	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources. Transfer of algorithm implies verifying proper resource utilization resources.
[none]			[none]			PGS-0925#A	4204	The PGS shall validate algorithms used for conversions, calibrations and transformations of EOS engineering data.	~~functional~~ procedural	~~A: To the extent that these algorithms are available~~ Algorithms used for converting EOS engineering data into HDF-EOS format will undergo normal I&T procedures for validation.

S-INS-00406	4103	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value		functional	~~PGS-0925#B~~	4899	The PGS shall validate algorithms used for conversions, calibrations and transformations of EOS engineering data.	~~functional~~ procedural	Algorithms used for converting EOS engineering data into HDF-EOS format will undergo normal I&T procedures for validation.
S-DPS-20010	A	4358	The PRONG CI shall be developed with configuration-controlled Application Programming Interfaces (APIs) to support the development and integration of DAAC value-added processing.		functional	PGS-1400#B	5047	The PGS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development and integration of new algorithms developed at each DAAC to support DAAC value-added production.	functional	

S-DPS-20010						PGS-1400#A	4298	The PGS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development and integration of new algorithms developed at each DAAC to support DAAC value-added production.	functional	
S-DPS-22400	A	4499	The PRONG CI shall accept Operations Commands to suspend, resume, or cancel the processing of a Data Processing Request.		functional	PGS-0170#B	4567	The PGS shall receive priority assignments, schedule conflict resolutions, and other operational directives from the SMC.	functional	
S-DPS-22410	A	4500	The PRONG CI shall accept an Operations Command to modify a Data Processing Request.		functional	PGS-0170#B	4567	The PGS shall receive priority assignments, schedule conflict resolutions, and other operational directives from the SMC.	functional	
S-PLS-00005	A	4220	The PLANG CI shall accept priority Production Requests for the generation of specific Data Products.	Specific = the data products for which the site has correspo nding PGE's from AI&T.	functional	PGS-0170#B	4567	The PGS shall receive priority assignments, schedule conflict resolutions, and other operational directives from the SMC.	functional	
S-PLS-00440	A	4244	The PLANG CI shall maintain Production Rules that define the production strategy (rules defining production priorities and preferences) to be used when preparing a Production Plan.		functional	PGS-0170#B	4567	The PGS shall receive priority assignments, schedule conflict resolutions, and other operational directives from the SMC.	functional	

S-PLS-00710	A	4262	The PLANG CI shall create a Candidate Plan based on the following: 1. Outstanding production requests, their priorities and estimated runtimes, 2. Ground events, their priority and estimated duration, 3. Planning production rules, 4. Mutual PGE accessibility of shared data, 5. Completion notification status messages from Data Processing.	PLANG capabilities are listed because they are incorporated in Standard Processing.	functional	PGS-0260#A	4151	The PGS shall schedule other functions, including, at a minimum: a. File backups b. File maintenance c. Calibration data handling	functional	Calibration data handling can be accomplished through a simple PGE or AI&T. File backup & maintenance handled procedurally using UNIX tools.
S-PLS-00710						PGS-0260#B	4622	The PGS shall schedule other functions, including, at a minimum: a. File backups b. File maintenance c. Calibration data handling	functional	Calibration data handling can be accomplished through a simple PGE or AI&T. File backup & maintenance handled procedurally using UNIX tools
S-PLS-00825	~~A~~ B	4272	The PLANG CI shall have the capability to identify all available input data (as specified in the Active Plan) that is currently awaiting quality assurance information.		functional	~~PGS-1175#A~~	~~4258~~	~~The PGS shall maintain a list of products requiring QA by SCF or the PGS.~~	~~functional~~	
S-PLS-00827	~~A~~ B	4273	The PLANG CI shall update the quality assurance status of input data (if applicable) to reflect an expired QA timeout period if its quality assurance information has not been received within specified time periods.		procedural	~~PGS-1170#A~~	~~4256~~	~~The PGS shall have the capability to identify data products awaiting QA that have not been reviewed within the amount of time allocated for QA.~~	~~functional~~	
S-PLS-00827						~~PGS-1180#A~~	~~4260~~	~~The PGS shall have the capability to update the processing status of a given product as a result of a QA timeout.~~	~~functional~~	

S-PLS-00830	A	4274	The PLANG CI shall send Data Processing Requests (specified in an Active Plan) to a processing resource that can perform the processing, if the following applies: a. All required input data (including metadata) is available b. Its input data has passed quality assurance (if applicable)	Planning may need to check Q/A metadata before using input data. Input data ~~must~~ pass may be subjected to Q/A before it is used on a case by case basis.	interface	~~PGS-1170#A~~	4256	~~The PGS shall have the capability to identify data products awaiting QA that have not been reviewed within the amount of time allocated for QA.~~	~~functional~~	
S-PLS-00830						~~PGS-1130#A~~	4252	The PGS shall receive product QA from the SCF which shall describe the results of the scientists product quality review at an SCF. Product QA shall contain the following information at a minimum: a. Identification of product b. QA results c. Product storage and processing instructions	functional	A: CERES, LIS Metadata = Product ID, QA results, Product Storage and Processing Instructions.
S-PLS-00830						~~PGS-1130#B~~	4982	The PGS shall receive product QA from the SCF which shall describe the results of the scientists product quality review at an SCF. Product QA shall contain the following information at a minimum: a. Identification of product b. QA results c. Product storage and processing instructions	functional	

S-PLS-00875	A	4281	The PLANG CI shall receive Subscription Notices indicating availability of subscribed data.	Subscriptions issued by PLANG are needed by PRONG to acquire Q/A metadata. This is used somewhat like status gathering.	functional	PGS-~~1130~~#A	4252	The PGS shall receive product QA from the SCF which shall describe the results of the scientists product quality review at an SCF. Product QA shall contain the following information at a minimum: a. Identification of product b. QA results c. Product storage and processing instructions	functional	A: CERES, LIS Metadata = Product ID, QA results, Product Storage and Processing Instructions.
S-PLS-01440	A	4305	The PLANG CI shall collect Fault Management Data and provide it to the MSS.		interface	PGS-0330#A	4163	The PGS shall report detected processing system faults to the SMC.	functional	Processing system faults = errors such as data staging/destaging, PGE execution, queue processing, etc.
S-PLS-01440						PGS-0330#B	4670	The PGS shall report detected processing system faults to the SMC.	functional	Processing system faults = errors such as data staging/destaging, PGE execution, queue processing, etc.
S-PLS-01440						PGS-0340#A	4165	The PGS shall utilize fault isolation tools provided by the LSM for the PGS and its subsystems.	functional	"PGS and its subsystems" = PDPS, LSM = MSS (MSS provides the tools used for fault detections).
S-PLS-01440						PGS-0340#B	4684	The PGS shall utilize fault isolation tools provided by the LSM for the PGS and its subsystems.	functional	"PGS and its subsystems" = PDPS, LSM = MSS (MSS provides the tools used for fault detections).
S-PLS-01440						PGS-0350#A	4166	The PGS shall utilize tools provided by the LSM to support fault isolation between the PGS and external interfaces.	functional	

S-PLS-01440						PGS-0350#B	4691	The PGS shall utilize tools provided by the LSM to support fault isolation between the PGS and external interfaces.	functional	

Table 2 - Changes to LEVEL_4

L4 ID	Rel	RTM Key	L4 Text	Clarification	Req Type
S-DPS-20010	A	4358	The PRONG CI shall be developed with configuration-controlled Application Programming Interfaces (APIs) to support the development and integration of DAAC value-added processing.		functional
S-PLS-00825	~~A~~ B	4272	The PLANG CI shall have the capability to identify all available input data (as specified in the Active Plan) that is currently awaiting quality assurance information.		functional
S-PLS-00827	~~A~~ B	4273	The PLANG CI shall update the quality assurance status of input data (if applicable) to reflect an expired QA timeout period if its quality assurance information has not been received within specified time periods.		procedural
S-PLS-00830	A	4274	The PLANG CI shall send Data Processing Requests (specified in an Active Plan) to a processing resource that can perform the processing, if the following applies: a. All required input data (including metadata) is available b. Its input data has passed quality assurance (if applicable)	Planning may need to check Q/A metadata before using input data. Input data ~~must pass~~ may be subjected to Q/A before it is used on a case by case basis.	interface

Table 3 - Changes to RBR

RbR ID	RTM key	RbR Text	RbR Type	Interpretation
PGS-1025#Ir1	2336	~~The PGS shall provide a Science Processing Library containing routines such as:~~ ~~a. Image processing routines~~ ~~b. Data visualization routines~~ ~~c. Graphics routines~~	~~functional~~	~~IR1: Science office believes items a, b, and c are in the toolkit(s).~~
PGS-0925#A	4204	The PGS shall validate algorithms used for conversions, calibrations and transformations of EOS engineering data.	~~functional~~ procedural	~~A: To the extent that these algorithms are available~~ Algorithms used for converting EOS engineering data into HDF-EOS format will undergo normal I&T procedures for validation.
PGS-0925#B	4899	The PGS shall validate algorithms used for conversions, calibrations and transformations of EOS engineering data.	~~functional~~ procedural	Algorithms used for converting EOS engineering data into HDF-EOS format will undergo normal I&T procedures for validation.
PGS-0260#A	4151	The PGS shall schedule other functions, including, at a minimum: a. File backups b. File maintenance c. Calibration data handling	functional	Calibration data handling can be accomplished through a simple PGE or AI&T. File backup & maintenance handled procedurally using UNIX tools.
PGS-0260#B	4622	The PGS shall schedule other functions, including, at a minimum: a. File backups b. File maintenance c. Calibration data handling	functional	Calibration data handling can be accomplished through a simple PGE or AI&T. File backup & maintenance handled procedurally using UNIX tools
~~PGS-1175#A~~	~~4258~~	~~The PGS shall maintain a list of products requiring QA by SCF or the PGS.~~	~~functional~~	
PGS-1170#A	4256	~~The PGS shall have the capability to identify data products awaiting QA that have not been reviewed within the amount of time allocated for QA.~~	~~functional~~	
PGS-1180#A	4260	~~The PGS shall have the capability to update the processing status of a given product as a result of a QA timeout.~~	~~functional~~	

Table 4 - LEVEL_4 to RBR links to be added

RbR ID	L4 ID
PGS-0920#A	S-DPS-40900
PGS-0920#B	S-DPS-40900
PGS-0920#A	S-DPS-40910
PGS-0920#B	S-DPS-40910
PGS-0920#A	S-DPS-40920
PGS-0920#B	S-DPS-40920
PGS-0920#A	S-DPS-40930
PGS-0920#B	S-DPS-40930
PGS-0920#A	S-DPS-40940
PGS-0920#B	S-DPS-40940
PGS-0920#A	S-DPS-41005
PGS-0920#B	S-DPS-41005
PGS-0920#A	S-DPS-41010
PGS-0920#B	S-DPS-41010
PGS-0920#A	S-DPS-41015
PGS-0920#B	S-DPS-41015
PGS-0920#A	S-DPS-42340
PGS-0920#B	S-DPS-42340
PGS-0920#A	S-DPS-42360
PGS-0920#B	S-DPS-42360
PGS-0270#A	S-DPS-20830
PGS-0270#B	S-DPS-20830
PGS-0270#A	S-DPS-20840
PGS-0270#B	S-DPS-20840
PGS-0380#A	S-DPS-20750
PGS-0380#B	S-DPS-20750
PGS-0380#A	S-DPS-20760
PGS-0380#B	S-DPS-20760
PGS-0380#A	S-DPS-20870
PGS-0380#B	S-DPS-20870
PGS-0380#A	S-DPS-20880
PGS-0380#B	S-DPS-20880
PGS-0380#A	S-DPS-21580
PGS-0380#B	S-DPS-21580
PGS-0380#A	S-DPS-21590
PGS-0380#B	S-DPS-21590
PGS-0380#A	S-DPS-22540
PGS-0380#B	S-DPS-22540
PGS-0400#A	S-DPS-41035
PGS-0400#B	S-DPS-41035
PGS-0410#A	S-DPS-21910
PGS-0410#B	S-DPS-21910
PGS-0410#A	S-DPS-21920
PGS-0410#B	S-DPS-21920

PGS-0410#A	S-DPS-21930
PGS-0410#B	S-DPS-21930
PGS-0410#A	S-DPS-21940
PGS-0410#B	S-DPS-21940
PGS-0500#A	S-DPS-30700
PGS-1015#A	S-DPS-30700
PGS-0500#B	S-DPS-30700
PGS-1015#B	S-DPS-30700
PGS-0920#A	S-DPS-40210
PGS-0920#B	S-DPS-40210
PGS-0920#A	S-DPS-40230
PGS-0920#B	S-DPS-40230
PGS-0920#A	S-DPS-40250
PGS-0920#B	S-DPS-40250
PGS-1400#B	S-DPS-20010
PGS-1400#A	S-DPS-20010
PGS-0170#B	S-DPS-22400
PGS-0170#B	S-DPS-22410
PGS-0170#B	S-PLS-00005
PGS-0170#B	S-PLS-00440
PGS-0330#A	S-PLS-01440
PGS-0330#B	S-PLS-01440
PGS-0340#A	S-PLS-01440
PGS-0340#B	S-PLS-01440
PGS-0350#A	S-PLS-01440
PGS-0350#B	S-PLS-01440

Table 5 - LEVEL_4 to RBR links to be deleted

RbR ID	L4 ID
PGS-0650#A	S-DPS-40900
PGS-0650#B	S-DPS-40900
PGS-0650#A	S-DPS-40910
PGS-0650#B	S-DPS-40910
PGS-0650#A	S-DPS-40920
PGS-0650#B	S-DPS-40920
PGS-0650#A	S-DPS-40930
PGS-0650#B	S-DPS-40930
PGS-0650#A	S-DPS-40940
PGS-0650#B	S-DPS-40940
PGS-0650#A	S-DPS-41000
PGS-0650#B	S-DPS-41000
PGS-0650#A	S-DPS-41005
PGS-0650#B	S-DPS-41005
PGS-0650#A	S-DPS-41010
PGS-0650#B	S-DPS-41010
PGS-0650#A	S-DPS-41015
PGS-0650#B	S-DPS-41015
PGS-0650#A	S-DPS-41020
PGS-0650#B	S-DPS-41020
PGS-0650#A	S-DPS-41030
PGS-0650#B	S-DPS-41030
PGS-0650#A	S-DPS-41035
PGS-0650#B	S-DPS-41035
PGS-0650#A	S-DPS-41040
PGS-0650#B	S-DPS-41040
PGS-0650#A	S-DPS-42340
PGS-0650#B	S-DPS-42340
PGS-0650#A	S-DPS-42360
PGS-0650#B	S-DPS-42360
PGS-0190#A	S-DPS-20830
PGS-0190#B	S-DPS-20830
PGS-0190#A	S-DPS-20840
PGS-0190#B	S-DPS-20840
PGS-0240#A	S-DPS-21550
PGS-0240#B	S-DPS-21550
PGS-0285#A	S-DPS-20750
PGS-0285#A	S-DPS-20760
PGS-0285#A	S-DPS-20870
PGS-0285#A	S-DPS-20880
PGS-0285#A	S-DPS-21580
PGS-0285#A	S-DPS-21590
PGS-0285#A	S-DPS-22540
PGS-0300#A	S-DPS-21700

PGS-0300#B	S-DPS-21700
PGS-0300#B	S-DPS-21710
PGS-0300#A	S-DPS-21710
PGS-0440#A	S-DPS-31020
PGS-0440#B	S-DPS-31020
PGS-0450#A	S-DPS-30700
PGS-0450#B	S-DPS-30700
PGS-0925#B	S-INS-00406
PGS-1175#A	S-PLS-00825
PGS-1170#A	S-PLS-00827
PGS-1180#A	S-PLS-00827
PGS-1170#A	S-PLS-00830
PGS-1130#A	S-PLS-00830
PGS-1130#B	S-PLS-00830
PGS-1130#A	S-PLS-00875
PGS-0925#B	S-INS-00406